

FORM - 1449

SHEET 1 OF 3

INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				ATTY. DOCKET NO.		SERIAL NO.		
				2001U004.US-CON		Unassigned		
				APPLICANT				
				Vaughan, et al.				
FILING DATE				GROUP				
April 2, 2004				Unassigned				
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
RR	AA	5,359,015	10/25/1994	Jejelowo	526	114		
RR	AB	5,382,630	01/17/1995	Stehling et al.	525	240		
RR	AC	5,382,631	01/17/1995	Stehling et al.	525	240		
RR	AD	5,679,812	10/21/1997	Winter et al.	556	7		
RR	AE	5,786,495	07/28/1998	Resconi et al.	556	11		
RR	AF	5,886,202	03/23/1999	Jung et al.	556	11		
RR	AG	5,929,264	07/27/1999	Rohrmann et al.	556	11		
RR	AH	5,990,253	11/23/1999	van Beck et al.	526	127		
RR	AI	6,051,728	04/18/2000	Resconi et al.	556	53		
RR	AJ	6,111,019	08/29/2000	Arjunan et al.	525	211		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RR	AK	EP0702030A1	03/20/1996	Europe			X	
RR	AL	EP0926169A2	06/30/1999	Europe			US5350817	
RR	AM	EP0511665B1	07/22/1998	Europe				
RR	AN	EP0664301A1	07/26/1995	Europe				
RR	AO	WO 98/28350	07/02/1998	PCT				
RR	AP	WO 00/31088	06/02/2000	PCT				
	AQ	WO 03/037928	05/08/2003	PCT				
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)								
RR	AR	Wang, B. et al., "Ethylene polymerizations with disiloxane-bridged indenyl and cyclopentadienyl metallocene catalysts," <i>Macromol. Chem. Phys.</i> 198 3197-3205 (1997).						
RR	AS	Löfgren, B., "New olefin copolymers synthesized by metallocenes," <i>Recent Res. Devel. in Macromol. Res.</i> , 3, 117-131 (1998).						
EXAMINER Richard R. Z...					DATE CONSIDERED 3/7/05			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant								

FORM - 1449

SHEET 2 OF 3

INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				ATTY. DOCKET NO.		SERIAL NO.	
				2001U004.US-CON		Unassigned	
				APPLICANT			
				Vaughan, et al.			
				FILING DATE		GROUP	
April 2, 2004		Unassigned					
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RR	BA	6,180,736	01/30/2001	Muhle et al.	526	160	
RR	BB	6,207,606	03/27/2001	Lue et al.	502	113	
RR	BC	6,214,469	04/10/2001	Sukhadia et al.	428	421	
RR	BD	6,339,134	01/15/2002	Crowther et al.	526	128	
RR	BE	6,388,115	05/14/2002	Crowther et al.	556	11	
RR	BF	6,410,659	06/25/2002	Maddox et al.	526	114	
RR	BG	6,489,413	12/03/2002	Floyd et al.	526	160	
RR	BH	6,545,105	04/08/2003	Follestad et al.	526	65	
RR	BI	6,642,400	11/04/2003	Holtcamp et al.	556	11	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	BJ						
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
RR	BK	Abstract: He, Dawei et al., "Metallocene polymerization catalyst for high molecular weight polyethylene and preparation thereof" retrieved from STN Database accession no. 131:351801 abstract & CN1149060A (Chemical Institute, Chinese Academy of Sciences, Peop. Rep. China) 7 May 1997					
RR	BL	Herrman, et al., Angew. Chem. 101 (11) 1536 (1989)					
RR	BM	Möhring, Petra C., "Homogeneous Group 4 metallocene Ziegler-Natta catalysts: the influence of cyclopentadienyl-ring substituents," Journal of Organometallic Chemistry 479, 1-29 (1994).					
RR	BN	Brintzinger, Hans H., "Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts," Angew. Chem. Int. Ed. Engl., 34, 1143-1170 (1995).					
RR	BO	Soares, João B.P., "Mathematical Modelling and Control of Chemical Composition Distribution of Ethylene/α-Olefin Copolymers Made with Single and Combined Metallocene Catalysts," Polymer Reaction Engineering 8(3), 241-270 (2000).					
RR	BP	Galland, G.B., et al., "Linear low-density polyethylene synthesis promoted by homogeneous and supported catalysts," Polymer International 48, 660-664 (1999).					
EXAMINER				DATE CONSIDERED			
Robert Rabe				3/7/05			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant.							

FORM - 1449

SHEET 3 OF 3

INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				ATTY. DOCKET NO.		SERIAL NO.	
				2001U004.US-CON		Unassigned	
				APPLICANT			
				Vaughan, et al.			
FILING DATE				GROUP			
April 2, 2004				Unassigned			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	CB						
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
PR	CC	Wigum, Hanne, et al., "Structure-Property Transition-State Model for the Copolymerization of Ethene and 1-Hexene with Experimental and Theoretical Applications to Novel Disilylene-Bridged Zirconocenes," Journal of Polymer Science, Part A: Polymer Chemistry 41(11), 1622-1631 (2003).					
PR	CD	Lehtinen, Christel et al. "A Comparison of (η -butCp) ₂ ZrCl ₂ and Other Simple Metallocenes with Bridged Et(Ind) ₂ ZrCl ₂ and Me ₂ Si(Ind) ₂ ZrCl ₂ Catalysts in Ethene/Propene Copolymerization," European Polymer Journal 33(1), 115-120 (1997).					
PR	CE	Suhm, J., "Influence of metallocene structures on ethen copolymerization with 1-butene and 1-octene," Journal of Molecular Catalysis A: Chemical 128(1-3) 215-227 (1998).					
PR	CF	Bruaseth, Ingviold et al. "Dual Site Ethene/1-Hexene Copolymerization with MAO Activated (1,2,4-Me ₃ Cp) ₂ ZrCl ₂ and (Me ₃ Cp) ₂ ZrCl ₂ Catalysts. Possible Transfer of Polymer Chains between the Sites," Macromolecules 36(9), 3026-3034 (2003).					
PR	CG	Schneider, M.J., et al. "Influence of Indenyl Ligand Substitution Pattern on Metallocene-Catalyzed Ethene Copolymerization with 1-Octene," Macromolecules 30, 3164-3168 (1997).					
PR	CH	Suhm, J., et al. "Temperature Dependence of Copolymerization Parameters in Ethene/1-Octene Copolymerization Using Homogeneous rac-Me ₂ Si(2-MeBenz[e]Ind) ₂ ZrCl ₂ /MAO Catalyst," Journal of Polymer Science, Part A: Polymer Chemistry 35, 735-740 (1997).					
PR	CI	Brintzinger Hans H., "Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts," Angew.Chem. Int. Ed. Engl. 34, 1143-1170 (1995).					
PR	CJ	Karol, Frederick J., et al., "Features of Cyclopentadienyl Metal Catalysts for Ethylene Copolymerization in Gas and Liquid Phase" METALORGANIC CATALYSTS FOR SYNTHESIS AND POLYMERIZATION 629-642, (Walter Kaminsky, Ed., Springer 1999)					
EXAMINER Robert Ruby				DATE CONSIDERED 3/6/05			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant							